APPLICABLE STANDARD				
RATING	FREQUENCY RANGE	0.045 TO 3 GHz	STORAGE TEMPERATURE RANGE	-40°C TO +85°C
	POWER	4 W	CHARACTERISTIC IMPEDANCE	50Ω
	OPERATING TEMPERATURE RANGE	-40°C TO +85°C	OPERATING HUMIDITY RANGE	% TO 90%(Non condensing)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.			
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	50 mΩ MAX.	×	×
INSULATION RESISTANCE	100 V DC.	1000 MΩ MIN.	×	—
VOLTAGE PROOF	100 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	×
V.S.W.R. [1]	FREQUENCY 0.045 TO 1.0 GHz	N·C, N·O : 1.2 MAX	×	—
	FREQUENCY 1.0 TO 2.0 GHz	N·C, N·O : 1.4 MAX		
	FREQUENCY 2.0 TO 3.0 GHz	N·C, N·O : 1.7 MAX		
INSERTION LOSS [1]	FREQUENCY 0.045 TO 1.0 GHz	N·C : 0.2dB MAX. / N·O : 0.3dB MAX.	×	—
	FREQUENCY 1.0 TO 2.0 GHz	N·C : 0.4dB MAX. / N·O : 0.5dB MAX.		
	FREQUENCY 2.0 TO 3.0 GHz	N·C : 0.6dB MAX. / N·O : 1.0dB MAX.		
ISOLATION	FREQUENCY 0.045 TO 1.0 GHz	20 dB MIN.	×	—
	FREQUENCY 1.0 TO 2.0 GHz	18 dB MIN.		
	FREQUENCY 2.0 TO 3.0 GHz	12 dB MIN.		
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	5000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE : 100mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
VIBRATION	FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s^2 1 CYCLE : 11min, 10 CYCLES FOR EACH 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 10μs. 2) CONTACT RESISTANCE : 100mΩMAX. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SHOCK	ACCELERATION : 490 m/s^2 DURATION : 11 ms , HALF SINE WAVE 3 BOTH AXIAL DIRECTIONS, 3 TIMES EACH		×	—
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR. (INITIAL VALUE)	INSERTION FORCE : 1～10N	×	—
		WITHDRAWAL FORCE : 3～15N	×	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55 → 5−35 → +85 → 5−35 °C TIME 30 → 2−3 → 30 → 2−3 min. UNDER 100 CYCLES AND LEAVE IT FOR ONE HOUR OR TWO.	1) CONTACT RESISTANCE: 100 mΩ MAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SALT MIST	EXPOSED IN 5±1% TEMPERATURE 35±2℃ SALT WATER SPRAY FOR 48h	1) CONTACT RESISTANCE : 100mΩMAX. 2) NO HEAVY CORROSION.	×	—
DAMP HEAT (STEADY STATE)	EXPOSED AT +40℃, 90～95%,96h. THEN LEAVE IT FOR ONE HOUR OR TWO IN THE AMBIENT TEMPERATURE AND HUMIDITY.	1) CONTACT RESISTANCE: 100 mΩ MAX. 2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0					

REMARK

[redacted]

[1] N·O SPEC INCLUDE MS-151-C(LP) AND CABLE .

Unless otherwise specified, refer to IEC-60512.

APPROVED	KH. IKEDA	15.08.03
CHECKED	NK. NINOMIYA	15.08.03
DESIGNED	RO. FURUYAMA	15.08.03
DRAWN	RO. FURUYAMA	15.08.03

Note QT:Qualification Test AT:Assurance Test ×:Applicable Test

DRAWING NO. ELC-353753-01-01

HRS	SPECIFICATION SHEET	PART NO.	MS-151NB-1(01)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL358-0345-4-01	0 1/1

FORM HD0011-2-1